Hybrid System

Your vehicle is a hybrid vehicle. It has characteristics different from conventional vehicles. Be sure you are closely familiar with the characteristics of your vehicles, and operate with care.
The hybrid system combines a gasoline engine and an electric motor (traction motor) according to driving conditions, improving fuel efficiency and reducing exhaust emissions.
For details, refer to the “Owner's Manual”.

n Hybrid System Indicator

Displays the output and regeneration level of the hybrid system.

l By keeping the indicator within the Eco area, more fuel-efficient driving can be achieved.
l The Charge area indicates regeneration status.

n Regenerative braking

The motor generator converts kinetic energy to electric energy when:

l The accelerator pedal is released.
l The brake pedal is depressed with the shift lever in D or S.

n Sounds and vibrations specific to a hybrid vehicle

There may be no engine sounds or vibrations even though the vehicle is able to move. Always put the shift lever in P when parked.
The following sounds or vibrations may occur when the hybrid system is operating, and are not a malfunction:

l Motor sounds may be heard from the engine compartment.
l Sounds may be heard from the hybrid battery (traction battery) under the rear seat when the hybrid system starts or stops.
l Sounds from the hybrid system may be heard when the back door is open.
l Sounds may be heard from the hybrid transmission when the engine is started or stopped, or while the engine is idling.
l Engine sounds may be heard when accelerating sharply.
l Sounds may be heard due to regenerative braking when the brake pedal is depressed and accelerator is loosened.
l Vibrations may be felt when the gasoline engine starts or stops.
l Cooling fan sounds may be heard from the air intake vents under the rear seat.

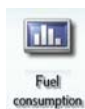
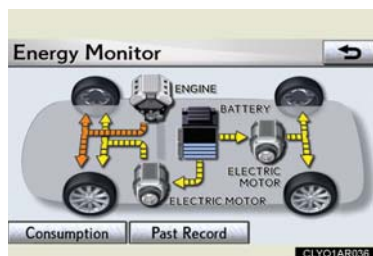
Energy Monitor / Consumption Screens

You can view the status of your hybrid system on the multi-information display and the Navigation system screen.

Energy monitor

The energy monitor can be displayed on both the Navigation system screen and the multi-information display.

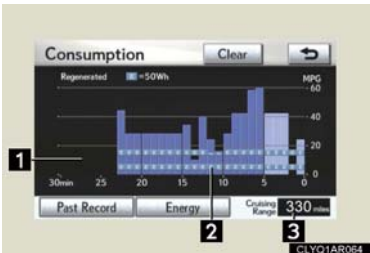
- How to display on the Navigation system screen (→P.28):

  Press the “MENU” button, and select after that select .

  If the Consumption or Past Record screen is displayed, select the Energy and push the “ENTER” button.
- How to display on the multi-information display:
  Toggle the “ENTER” switch on the steering wheel upward or downward through several items to select the energy monitor display.

- The flow of energy is displayed on the Navigation system screen. (The rear electric motor is equipped AWD models only.)
  Amber: gasoline energy
  Yellow: electrical energy
  Green: energy recovery
  A green arrow appears when regenerative braking occurs.
- The flow of energy is indicated by the movement of the arrows on the multi-information display.
- The battery display acts as an 9-step indicator of the hybrid battery level.

The displayed energy flow, battery level, etc. will change in response to the current driving conditions.

n Consumption (with navigation system)

Press the "MENU" button and select , after that select and push the "ENTER".

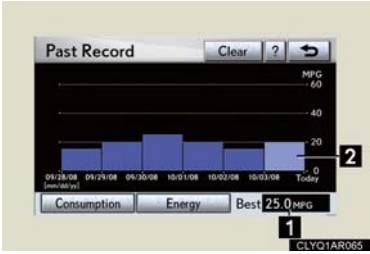
If the Consumption screen does not appear, select the Consumption and push the "ENTER" button.

1 Fuel consumption in the past 30 minutes

2 Regenerated energy in the past 30 minutes One symbol indicates 50 Wh. Up to 4 symbols are shown.

3 Cruising range

n Past record (with navigation system)

Press the "MENU" button and select , after that select and push the "ENTER".

If the Past Record screen does not appear, select the Past Record and push the "ENTER" button.

1 Best past fuel consumption

2 Average fuel consumption

n Hybrid warning message

A message is automatically shown when a malfunction occurs in the hybrid system or an improper operation is attempted.

If a warning message is shown on the multi-information display, read the message and follow the instructions.